8881

Public Works (1898) Department.

G.O., No. 8782
8793

DATED 10th (~~Octr~~ Novr) 98

27/10/98

[Despatch Abstract.]

Periyar Project

Estimate of Rs 2150 for constructing cross drainage works in the Chunnambar offtake taking off the 10th Branch Channel, ——, sanctioned and a copy of the Prs: ordered to be forwarded to the Govt of India

—

Periyar Project

Forwarding copy of ~~Estimate~~ Prs: sanctioning an estimate of Rs 2150 for constructing cross drainage works in the Chunnambar offtake taking off the 10th Branch Channel, ——.

29/11/98 (P.E.G.)

Indexed

P. W. 26.
1,000—12-2-98.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government (1898) of Madras.

PUBLIC WORKS.

Recd.	1898.	*Enclosures*
Regd.		*Spare copies*

G.O., Nos. 878, 879 I., 10th November 1898.

NOVEMBER.

Periyar Project

Forwarding copy of Proceedings sanctioning an estimate of Rs. 2,150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, — .

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer,	VI Circle, dated	5th May 1898,	No. 656 M.D.
From " "	VI " "	20th June 1898,	" 833 "
To " "	VI " "	24th " "	" VI./57 "

From Lieut.-Col. O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 26th September 1898, No. 1309 M.D.

I have the honour to forward, for approval and sanction, a fresh estimate amounting to Rs. 1,740, in lieu of that for Rs. 3,510 returned, as requested by me, with your No. VI./57 M.D., dated 24th June 1898, for constructing cross drainage works in Chunnambur offtake, taking off the 10th Branch channel, Periyár works.

2. The circumstances under which cross drainage works were found to be necessary between $1\frac{3}{4}$ and $4\frac{1}{4}$ miles of the offtake, are explained in this office No. 656 M.D., dated 5th May 1898, giving cover to the estimate alluded to in paragraph 1 above. For the effective means of passing the drainage affecting the offtake in these limits, the following works are proposed to be built :—

Two bye-washes of an aggregate length of 185 feet (60 + 125) as shown in plan No. 3—one at just above the 2nd mile, and the other at 2 miles and 3 furlongs ; two weirs of 140 and 100 feet in length, respectively, between $3\frac{3}{4}$ and $4\frac{1}{4}$ miles, as per designs, in plans Nos. 5 and 6 ; and lastly, an undertunnel for dealing with the local drainage at little above 3rd mile and 3 furlongs.

3. The work is classed as remunerative and the probable date of completion of the works will be 31st March 1899.

ENCLOSURE.

REPORT to accompany Estimate for Cross drainage works in Chunnambur offtake.

	RS.
Amount of estimate	1,740

Between $1\frac{3}{4}$ and $2\frac{3}{4}$ miles the channel runs through three tanks Chinna and Peria Mukkan Kulam and Shengulam.

The whole of the drainage of these tanks has to be passed through the channel for which two bye-washes are now estimated—one of 60 ft. at 10,400 ft. and one of 125 ft. at 12,700 ft.

The bye-washes will consist of a rough stone in mortar, wall 2 ft. × 2 ft. with a rough stone apron in front and rear. The depth over the crest will in each case be 1 ft.

Between $3\frac{3}{4}$ and $4\frac{1}{4}$ miles the channel is on a contour with a single bank forming two small tanks. The drainage from the first tank has to be passed through the bank for which a weir at 19,400 ft. is provided ; the drainage from the second tank will be passed into a natural drain by cutting through the ridge at the lower end.

In addition to the above, a small undertunnel is required at 17,500 ft. to pass local drainage.

The country being rocky, the coefficient of 700 in the formula $D = C\sqrt[4]{M^3}$ has been used.

The works will be carried out in accordance with the standard specification of the department.

MADURA,
16th August 1898.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Division.

No. 272 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate of Rs. 1,740 forwarded by the Superintending Engineer, VI Circle, provides for constructing cross drainage works at five places in the Chunnambur offtake taking off the 10th Branch channel, Periyár project.

2. The work is classed as remunerative, and will probably be completed by the 31st March 1899.

3. The estimate is recommended for sanction.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

22nd October 1898.

ORDER—No. 878 I., dated 10th November 1898.

The estimate, amounting to Rs. 1,740, or Rs. 2,150 including charges for establishment and tools and plant, for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, Periyár project, is sanctioned.

2. This sanction is registered as No. 94 I. of 1898–99, and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 879 I., dated 10th November 1898.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VI Circle, with fourteen enclosures.
,, Examiner, Public Works Accounts.

ENDORSEMENT—No. 879 I., dated 10th November 1898.

Forwarded.

(By order).

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

Annexure to G.O., No. 878 I., dated 10th November 1898.

ESTIMATE Form—Abstract—Classified.

Sub-head.	Names of works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.	RS.	RS.	RS.	RS.
	49. IRRIGATION.				
	Periyár Project.				
	Open Capital Account.				
	1. Works.				
	3. Distributaries.				
	10th Branch Channel.				
	Remunerative Work.				
	Cross Drainage Works in Chunnambur Offtake.				
3. Works ..	1. Weir No. 1 at 194th chain	330			
	2. „ „ 2 at 218th „	210			
	3. Bywash No. 1 at 104th chain	150			
	4. „ „ 2 at 127th „	275			
	5. Culvert at 107th chain	650			
			1,615		
4. Earthwork ..	6. Cutting channel and forming bank	125			
			125		
	Total, I. Works	..	..	1,740	
	II. Establishment ..	..	..	400	
	III. Tools and plant ..	..	..	10	
	Total estimate ..	..	..	2,150	2,150

MADURA,
16th August 1898

(Signed) T. W. S. SMYTH,
Ex. Engineer, Special Periyar Division.

Public Works (1898) Department.

CURRENT No. 8881

Order

F. E. S.

How B. please?

27-10-98

To D.E.S. for favour of marking instructions for the Press.

27-10-98

From

The Chief Engineer for Irrigation

No. 272 I

Dated 22-10-98

Received
Registered } 26.10.98

Enclosures 8. 18 (7 Plans)

Spare copies

SUBJECT.

Constructing cross drainage works at five places at Chinnambur offtake taking off 10th Branch chl - Periyar Project Estimate of Rs 1740 for - Note recommending for sanction the -

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

... xure to G.P. ...

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Works.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each Main head.	Remarks.
1	2	3	4	5	6	7
Capital Expenditure not charged to Revenue.						
	49 Irrigation					
	Periyar Project.					
	open capital account					
	1 works					
	3 distributaries					
	10th Branch channel					
	Remunerative works					
Cross drainage works in Chunambur offtake						
3 Works	1 Weir No. 1 at 194th chain	330				
	2 do. No. 2 at 218 do.	210				
	3 Byewash No. 1 at 104 do.	150				
	4 do. 2 at 127 do.	275				
	5 Culvert at 107 do.	650				
			1615			
4 Earthwork	6. Cutting channel and forming bank.	125				
			125			
Total	I Works			1740		
	II Establishment			400		
	III Tools & Plant			10		
	Total Estimate			2150		

Sanctioned in G.O. No. 878 I of 10/11/98 and registered as No. 74 of 1898-99.

Madura 16/8/98

(Initialled) J.W.S.S.
Spl. Ex. Engineer
Periyar Dn.

True copy

Ackd. H.L. 28/6/99

STATION Madura

Dated June 99

8 - JUL 1899

5,000—10-1-96.

1/62 W.D.

O.V. Bodley [illegible] Supg. Engr. [illegible] 5/7/EE. 29 JUN 1899

[illegible] Executive Engineer.
Periyar Dn

(E. No. 126.)

_____ CIRCLE.

DIVISION—

SUPG. ENGINEER'S OFFICE No. 2119 [illegible] 4 JUL. 1899 P.W.D. SIXTH CIRCLE.

DISTRICT

ESTIMATE FORM—Abstract—Classified.

To accompany the Detailed Estimate No.

of 189 –9 for*

* Here enter the Name and Description of work in full.

CHIEF ENGINEER FOR IRRIGATION. 8 JUL. 1899

PWE 1-
5693/99

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

From the Supg: Engineer 6th Circle, No. 656 M. D. dated 5th May /98
From ——— do ———, No. 833. M. D. dated 20th June /98
To ——— do ———, No. $\frac{VI}{57 M.D.}$ dated 24th June /98.
From ——— do ———, No. 1309 M. D. dated 26th Septr /98.

No 272 Ldy 22.10.98

Note by the Chief Engineer for Irrigation.

The accompanying estimate of Rs. 1740 forwarded by the Supg: Engineer 6th Circle provides for constructing cross drainage works at five places in the Chinnambur off-take taking off the 10th Branch channel, Periyar project.

2. The work is classed as remunerative, and will probably be completed by the 31st March 1899.

3. The estimate is recommended for sanction.

Issue
W.H.
22.10.98

Order

Irrigation Acct No: 878 I. dd. 10.11.98

Order thereon

The estimate, amounting to Rs 1,740, or Rs 2,150 including charges for establishment and tools and plant, for constructing cross drainage works in the Chunnambur off-take taking off the 10th Branch channel, Periyar project, is sanctioned.

2. This sanction is registered as No 94. I. of 1898-99, and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

Endorsement No. 879 I. dd. 10.11.98

Forwarded.

[signature] 2/11/98.

Desr to Acctt 15/11/98

Classified abstract issued 23/11/98

Classified as ... [signature] 22/11/98

To, The Chief Engr for Irrign
... Supg: Engr 1st Circle with 4 encl:
... P.W. Accounts

H. I. Form No. 1—1,000—21-4-98.

Please answer the Queries!

Mr [illegible]

No. I., ~~October~~ Novr 1898.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From the Superintending Engineer, VI Circle, dated 5th May 1898, No. 656 M.D.
From " " VI " " 20th June 1898, " 833 "
To " " VI " " 24th " " " VI./57 "

From Lieut.-Col. O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 26th September 1898, No. 1309 M.D.

I have the honour to forward, for approval and sanction, a fresh estimate amounting to Rs. 1,740, in lieu of that for Rs. 3,510 returned, as requested by me, with your No. VI./57 M.D., dated 24th June 1898, for constructing cross drainage works in Chunnambur offtake, taking off the 10th Branch channel, Periyar works.

2. The circumstances under which cross drainage works were found to be necessary between $1\frac{3}{4}$ and $4\frac{1}{4}$ miles of the offtake, are explained in this office No. 656 M.D., dated 5th May 1898, giving cover to the estimate alluded to in paragraph 1 above. For the effective means of passing the drainage affecting the offtake in these limits, the following works are proposed to be built:—

Two bye-washes of an aggregate length of 185 feet (60 + 125) as shown in plan No. 3—one at just above the 2nd mile, and the other at 2 miles and 3 furlongs; two weirs of 140 and 100 feet in length, respectively, between $3\frac{3}{4}$ and $4\frac{1}{4}$ miles, as per designs, in plans Nos. 5 and 6; and lastly, an undertunnel for dealing with the local drainage at little above 3rd mile and 3 furlongs.

3. The work is classed as remunerative and the probable date of completion of the works will be 31st March 1899.

ENCLOSURE.

REPORT to accompany Estimate for Cross drainage works in Chunnambur offtake.

	RS.
Amount of estimate	1,740

Between $1\frac{3}{4}$ and $2\frac{3}{8}$ miles the channel runs through three tanks Chinna and Peria Mukkan Kulam and Shengulam.

The whole of the drainage of these tanks has to be passed through the channel for which two bye-washes are now estimated—one of 60 ft. at 10,400 ft. and one of 125 ft. at 12,700 ft.

The bye-washes will consist of a rough stone in mortar, wall 2 ft. × 2 ft. with a rough stone apron in front and rear. The depth over the crest will in each case be 1 ft.

Between $3\frac{3}{4}$ and $4\frac{1}{4}$ miles the channel is on a contour with a single bank forming two small tanks. The drainage from the first tank has to be passed through the bank for which a weir ~~140 ft. long~~ at 19,400 ft. is provided; the drainage from the second tank will be passed into a natural drain ~~at 216th chain~~ by cutting through the ridge at the lower end.

In addition to the above, a small undertunnel is required at 17,500 ft. to pass local drainage.

The country being rocky, the coefficient of 700 in the formula $D = C\sqrt[3]{M^2}$ has been used.

The works will be carried out in accordance with the standard specification of the department.

MADURA, 16th August 1898.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Division.

No. 272 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimate of Rs. 1,740 forwarded by the Superintending Engineer, VI Circle, provides for constructing cross drainage works at five places in the Chunnambur offtake taking off the 10th Branch channel, Periyar project.

2. The work is classed as remunerative, and will probably be completed by the 31st March 1899.

3. The estimate is recommended for sanction.

22nd October 1898.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. I., dated October 1898.

The estimate, amounting to Rs. 1,740, or Rs. 2,150 including charges for establishment and tools and plant, for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, Periyar project, is sanctioned.

2. This sanction is registered as No. I. of 1898–99, and will expire on the 31st March 1899.

Please send 2 fair copies with docket at the back

[illegible] 4/11/98

No. I., ~~October~~ 1898.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. I., dated ~~October~~ 1898.]

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
,, Superintending Engineer, VI Circle, with fourteen enclosures.
,, Examiner, Public Works Accounts.
Exd. T. K. Narayana Aiyangar.

IRRIGATION.

ACCOUNT.

Periyar Project

Estimate of Rs. 2,150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, —, sanctioned; and a copy of the Proceedings ordered to be forwarded to the Government of India.

ENDORSEMENT—No. I., dated October 1898.

Forwarded.
(By order).

Joint Secretary to Government,
Irrigation Branch.

Forwarding copy of Proceedings sanctioning an estimate of Rs. 2,150 for constructing cross drainage works in the Chunnambur offtake taking off the 10th Branch channel, — .

C&I
1/10/98

Public Works (1898) Department.

CURRENT No. 113 M.D.

Order

From

The Supg Engineer
VI. Circle

No. 1309. I.D.

Dated 26th September 98

Received + Regd 28 — do —

Enclosures 8. ✓

Spare copies

SUBJECT.

Cross drainage works in Chinnamanur Offtake. Forwards for sanction a fresh estimate of Rs 1740 for constructing — taking off the 10th Branch Channal. Periyar Project Papers

[illegible]
29/9/98

29-9-98

DEI for orders if the fresh estimate may be sanctioned after check

check [illegible]

[illegible] 30/9

[illegible] 28/9

BACK PAPERS.

No.	Date.
257 M.D	24-6-98

FURTHER PAPERS.

No.	Date.

3.8.P

Report to accompany Estimate for Cross drainage works in Chunnambur Offtake

Amount of Estimate Rs ~~1730~~ 1740

Between 1¾ & 2¾ miles the channel runs through three tanks Chinna and Peria Mukkan Kulam and Shengulam.

CHIEF ENGINEER
FOR IRRIGATION.
28 SEP 1898
8
113 M.D.

The whole of the drainage of these tanks has to be passed through the channel for which two byewashes are now estimated one of 60 feet at 10400 ft and one of 125 feet at 12700 feet.

Enclosure
7. Tracings
1. Estimate
8.

The byewashes will consist of a rough stone in mortar, wall 2 ft x 2 ft with a rough stone apron in front and rear. The depth over the crest will in each case be 1 foot.

Between 3¾ and 4¼ miles the channel is on a Contour with a single bank forming two small tanks. The drainage from the 1st tank has to be passed through the bank for which a weir at 19400 ft (1400 long) is provided, the drainage from the second tank will be passed into a natural drain by cutting through the ridge at the lower end

at 218 chain

P.T.O.

In addition to the above a small under tunnel is required at 175'00 feet to pass local drainage.

The Country being rocky the Coefficient of 700 in the formula $D = C\sqrt[3]{M^2}$ has been used.

The works will be carried out in accordance with the Standard specification of the Department.

J W L Smyth
Executive Engineer
16.8.98 Special Periyar Division
Madura

2502 / 1898 (B)

No. 1309 Ir. D.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,
Trichinopoly, 26th September 1898.
D. p. 7.

From

Lt Col. O. V. Woody R.E.
Superintending Engineer,
6th Circle.

To

The Chief Engineer,
for Irrigation

CHIEF ENGINEER
FOR IRRIGATION.
28 SEP. 1898
No. 113 M. D.

SIR,

8 ENCLOSURES.

1. Este complete
1. Survey
1. Site Sketch
1. Level Section
4. Masonry Plans

I have the honor to forward for approval and sanction a fresh estimate amounting to Rs 1,740, in lieu of that for Rs 3510 returned, as requested by me, with your No: $\frac{\text{Ir}}{57 \text{ M.D.}}$ dated 24 June 1898 for constructing cross drainage works in Lehunnamalur offtake, taking off the 10° Branch Channel, Periyar Works.

2. The circumstances under which cross drainage works were found to be necessary between 1¾ & 4¼ miles of the offtake, are explained in this office No: 656 M.D. of 5 May 1898 giving cover to the estimate alluded to in para 1 above. For the effective means of passing the drainage affecting the offtake in these limits, the following works

R43 M.D/98

Public Works (1898) Department.

Urgent

CURRENT No. 66 M.D

Order

D.I.

This is an estimate No. 3 referred to in endorsed note. Should this be sent back as requested + pass as omitted.

J.H.

24/6/98

Send back & state not to be ... in any referring

VI

No. 57 M.D dated 24-6-98

M.A.

From

The Supg Engineer VI Circle

No. 833 M.D.

Dated 20 June 1898

Received 22 — Do —

Enclosures "

Spare copies

Memo S.E. VI.

With reference to S.E No. 833 M.D d. 20/6/98 the M.S has the honour to return herewith the estimate referred to as requested.

J.H. 24/6/98.

M.E.I.

The Ex. and of the estimate sent to D.E.I for orders on 8/6/98 - It has not yet been returned.

M.A. 24/6/98

SUBJECT.

Drainage crossing the Chummanhur off take at 21st Chain — Requesting to return the estimate forwarded with this office No: 656 M.D of 6-5-98 in order that it may be revised according to a cheaper method of disposing the ———— suggested by the Supt. Engineer.

To D.E.I.

M.C.S. 24/6/98

BACK PAPERS.

No.	Date.
R43 in D	10-5-98

FURTHER PAPERS.

No.	Date.
357 in D	24-6-98
R113 in D	26-9-99

No. 833 Ind.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,
Trichinopoly, 20 June 1898.

From
Lt.Col. O. V. Boddy R.E.
Superintending Engineer,
6th Circle.

To
The Chief Engineer,
for Irrigation.

SIR,

ENCLOSURES.

I have the honor to inform you that the Executive Engineer, Periyar works, has suggested a much cheaper method for dealing with the drainage crossing the Chinnamanur offtake at 218th chain, than that provided for in the estimate amounting to Rs 3,510 forwarded to you with this office letter No: 656 Ind. d/ 5 May 1898. I have the honor to request therefore that the estimate referred to may be returned to me for revision.

R 43 M.D/98 sent to D.S.J. for orders on 8/6/98

I have the honor to be
Sir,
Your most obedient Servant,

O. V. Boddy Lt.Col. R.E.
Supg Engineer, 6th Circle

11/6/98

CHIEF ENGINEER
FOR IRRIGATION.
22 JUN. 1899
No. 66 Ind.

CE/
10/5/98

Public Works (1898) Department.

CURRENT No. 43 M.D.

Order

CE/ May this be sanct? after check
JH 23/[illegible]

From

The Supg Engineer
VI. Circle

No. 656. L. D.

Dated 5th May 1898

Received 10 — Do —

Enclosures 5. 4 plans

Spare copies

SUBJECT.

Cross drainage works in Chinnambur Offtake. Forwards for Sanction with remarks an Esteg Rs 3510 for providing.

To CE & E check the estimate

[illegible]
9/5/98

[illegible] 9/5

[illegible] 11/5/[illegible]

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.
L113 2nd	26-9-98

No. 656 L.D.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,
Kodaikanal ~~Trichinopoly~~, 5th May 1898.

From

Lt Col. C. V. Boddy R.E.
Superintending Engineer,
6th Circle.

To

The Chief Engineer,
for Irrigation

SIR,

5 ENCLOSURES.
Site Plan
Plans
Estimate

I have the honor to forward for your sanction an estimate amounting to Rs 3,510 for providing cross drainage works in Chunnambur offtake.

2. The offtake between miles $1\frac{3}{4}$ & $2\frac{3}{4}$ passes through a series of tanks, and it is proposed to pass the drainage from the catchment area of these tanks by means of 2 byewashes.

3. An undertunnel is necessary between the 2d & 3rd furlong of the 3rd mile.

4. Between $3\frac{3}{4}$ & $4\frac{1}{4}$ miles the channel has only a single bank, and it is necessary to provide for the passage of drainage headed up by this bank. — 2 weirs are therefore provided.

I

I have the honor to be
Sir,
Your most obedt. Servant.

J. V. Bolly Lt. Col. R.E.
Supg. Engineer, VI Circle

CHIEF ... FO... ...ER ... 10 MAY 1898 43 ud

8/5/1898

83/1888
Q. 520